

Date 4/29/57MATERIAL BALANCE ON RADIOACTIVE ISOTOPES OBTAINED BY M. Stern

Shipment No.	Material	Date Received	Quantity Received	Quantity on Hand		Comments (Form of material, storage, disposal, decay, etc.)
				Date	Date	
0	Co ⁶⁰	June 1953	3.85 mc.	2.33 mc. 4/57	2.30 5/1/57	Material in form of 5 metallic pellets. Difference in quantity due to decay. Stored in lead container in main file
1	Ni ⁶³	1/14/55	2 mc.	1.964 mc. 3/29/57	1.963 mc. 5/1/57	Material in form of Watt's type plating bath. Stored in lead container, Room 204.
4	Po ²¹⁰	12/27/55	0.79 mc.	5.8 uc 3/29/57	4.9 uc 5/1/57	Difference in quantity due to decay. Stored in hood in Room 202
5	Ni ⁶³	12/28/55	3 mc.	2.95 mc. 3/29/57	2.95 mc. 5/1/57	Material in dilute HCl solution. Stored in lead container in Room 204.
7	H ³	3/29/56	150 mc.	141.9 mc. 3/29/57	141.2 mc. 5/1/57	Material present as gas. Stored in unopened container in hood of Room 204. Difference in quantity due to decay.
8	H ³	4/4/56	150 mc.	47.97 mc. 3/29/57	47.7 mc. 5/1/57	Material present as tritiated water. Difference in quantity due to decay. Stored in hood Room 204.
9	C ¹⁴	5/8/56	5 mc.	5 mc. 3/29/57	5 mc. 5/1/57	Unopened container stored in Room 204. Present as 0.1389 gram of BaCO ₃
11	H ³	10/11/56	150 mc.	146.7 mc. 3/29/57	146.0 mc. 5/1/57	Material present as tritiated water (25 mc./g.). Container unopened in hood of Room 204.
12	Po ²¹⁰	4/11/57	2.54 mc.	2.49 mc. 4/16/57	2.28 mc. 5/1/57	Difference in quantity due to zinc activation for Job No. 4001 and decay. Not present as 10% HNO ₃ solution. Stored in hood in Room 202.

Signed: E. A. Tomes

UCCNHT0000514

Date: May 1, 1957

AREA SURVEY FOR RADIOACTIVE CONTAMINATION

Room No. 204 and 202

Instruments Used:

Nuclear-Chicago Model 1615B with thin end window counter Model D-34

Measurements and Comments:

Survey made in Room 204 and 204 showed no measurable contamination above background. Wipes made on all flat surfaces gave no count greater than background.

Radioactive waste container sealed and removed to loading dock in preparation for shipment to Oak Ridge for disposal.

Survey by: E. A. Tones

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